

What is Claimed is:

1. An optical disc comprising an ink-receiving layer provided on a disc substrate on the label printing side thereof which has a label image printed thereon by an ink jet printing process, wherein a protective layer made of a transparent, non-aqueous solvent soluble resin capable of forming at ordinary temperature a water-resistant plastic film, is formed on the label image printing surface.

2. The optical disc as defined in Claim 1, wherein the non-aqueous solvent is an aliphatic hydrocarbon-based solvent.

3. The optical disc as defined in Claim 1, wherein the label image-printed surface has the label image printed thereon with an ink jet recording ink comprising an organic dye as a colorant.

4. In a process for printing a label on an optical disc which comprises providing an ink-receiving layer on a disc substrate on the label printing side thereof and then printing a label image on the ink-receiving layer by an ink jet recording process, a process for the production of a label for optical disc which comprises:

printing a label image on the ink-receiving layer,

spreading over the printing surface thereof a solution obtained by dissolving a transparent resin capable of forming at ordinary temperature a water-resistant plastic film in a non-aqueous solvent, and

evaporating the non-aqueous solvent to dryness to form a protective layer.

5. The process for the production of a label for optical disc as defined in Claim 4, wherein an aliphatic hydrocarbon-based solvent is used as the non-aqueous solvent.

6. The process for the production of a label for optical disc as defined in Claim 4, wherein the step of spreading the solution over the printing surface comprises a spin coating process.

7. The process for the production of a label for optical disc as defined in Claim 5, wherein the step of spreading the solution over the printing surface comprises a spin coating process.

8. The process for the production of a label for optical disc as defined in Claim 4, wherein the step of spreading the solution over the printing surface comprises a screen printing process.

9. The process for the production of a label for optical disc as defined in Claim 5, wherein the step of spreading the solution over the printing surface comprises a screen printing process.